

DIAGNOSTIC ULTRASOUND IMAGING SYSTEM WITH ADAPTIVE PERSISTENCE

ABSTRACT OF THE DISCLOSURE

A diagnostic ultrasound imaging system includes an ultrasound scanhead coupled to a transmitter and a beamformer. An output of the beamformer is coupled to a persistence processor that determines the extent to which at least one portion of a plurality of image frames vary from one image frame to another. The persistence processor then combines a plurality of the image frames to provide a composite image frame. The number of image frames that are combined to determine the persistence of the composite image and/or the weighting by which they are combined is a function of the extent to which all or a portion of the image frames vary. The composite image is then displayed on a video display.